

Title (en)
NEGATIVE IMPEDANCE CIRCUIT

Title (de)
NEGATIVE IMPEDANZSCHALTUNG

Title (fr)
CIRCUIT D'IMPÉDANCE NÉGATIVE

Publication
EP 3176953 B1 20190703 (FR)

Application
EP 16198604 A 20161114

Priority
FR 1561698 A 20151202

Abstract (en)
[origin: US2017163224A1] A negative impedance circuit including: a first and a second bipolar transistors having a common collector, a base of the first transistor being connected to an emitter of the second transistor; a third and a fourth bipolar transistors having a common collector, a base of the third transistor being connected with an emitter of the fourth transistor, and at least one first impedance formed of one or of a plurality of passive components coupling the common collector of the first and second transistors to the common collector of the third and fourth transistors, a base of the second transistor being coupled to the collector of the third and fourth transistors and a base of the fourth transistor being coupled to the collector of the first and second transistors.

IPC 8 full level
H03F 1/56 (2006.01); **H03F 3/191** (2006.01); **H03H 11/10** (2006.01); **H03H 11/48** (2006.01); **H04B 3/18** (2006.01)

CPC (source: EP US)
H03F 1/565 (2013.01 - EP US); **H03F 3/19** (2013.01 - US); **H03F 3/191** (2013.01 - EP US); **H03H 11/10** (2013.01 - US); **H03H 11/48** (2013.01 - EP US); **H04B 3/18** (2013.01 - EP US); **H03F 2200/165** (2013.01 - EP US); **H03F 2200/294** (2013.01 - EP US); **H03F 2200/369** (2013.01 - EP US); **H03F 2200/451** (2013.01 - EP US); **H03H 11/52** (2013.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3176953 A1 20170607; **EP 3176953 B1 20190703**; FR 3044845 A1 20170609; FR 3044845 B1 20190315; US 2017163224 A1 20170608; US 9813032 B2 20171107

DOCDB simple family (application)
EP 16198604 A 20161114; FR 1561698 A 20151202; US 201615357863 A 20161121